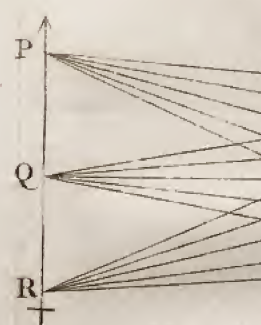
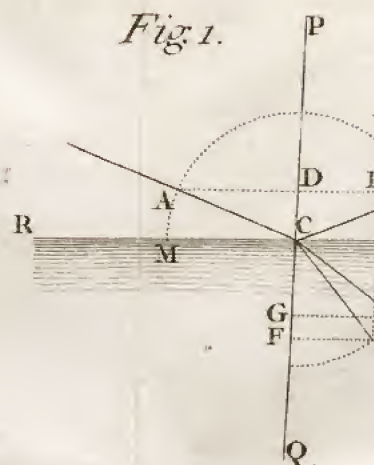


]
 small round hole, or aper-
 ture, in Lead, Brass, or Silver, where-
 ever, which hole must be no
 greater than the diameter of the
 light enough to pass through.
 If the light is not distinct, the Plate in which
 the hole is made, is the erroneous part of the Light
 of the Speculum AB. Such
 a hole must be 6 Foot long, (reckoning
 from the Prism, and thence to
 the aperture of 6 Inches at the Spe-
 culum, two and three hundred times
 the aperture with more advan-
 tage, if placed at the Speculum. If
 the hole is shorter, the aperture must
 be the square Root of the
 length of the aperture. But its con-
 struction must be an Inch or two broader than
 that the Glass of the Speculum
 may be working. The Prism EFG
 is necessary, and its back side FG
 must be silvered. For without quick-silver
 it will be inverted, but may
 be made square sides EF and EG of the
 prism are spherically convex, that the Rays
 may come at it as afterwards be-
 comes. If it be desired that the Instru-
 ment may be also done by com-
 bining two Glasses with Water between

THE

Fig 1.



q Q q

Fig 6

